

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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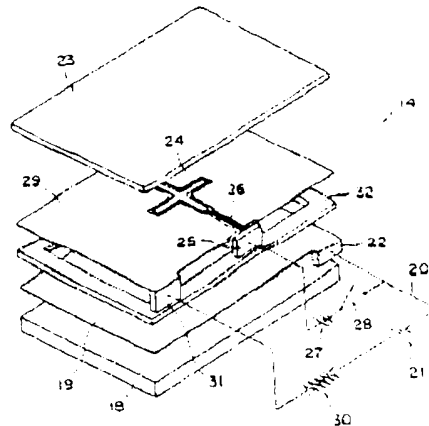
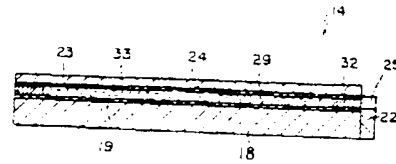
APPLICATION DATE : 02-06-88  
APPLICATION NUMBER : 63134361

APPLICANT : FUJI PHOTO FILM CO LTD;

INVENTOR : SATO MASAMICHI;

INT.CL. : G03B 13/24 G02F 1/13

TITLE : FOCUSING SCREEN



ABSTRACT : PURPOSE: To optionally change the scattering degree of light according to the lightness of an object and to facilitate focusing without exchanging a focusing screen by electrically controlling the scattering degree of the light with the aid of using liquid crystal having electro-optical effect.

CONSTITUTION: A transparent electrode 19 is integrally formed on the whole surface of a transparent substrate 18 and a linear electrode 24 forming a reticle pattern is provided on the central part of a transparent cover 23. Simultaneously with that, a plane transparent electrode 29 is integrally formed on the surface of the cover 23. Between the substrate 18 and the cover 23, an insulating frame 32 is joined and the liquid crystal 33 is filled up in the sealed space of it. Then, a voltage 21 is impressed between the terminals 22 and 31 of the electrodes 19 and 29 through a variable resistor 30. Thus, the alignment state of the liquid crystal 33 can be changed by adjusting the resistance value of the resistor 30 and the scattering degree of the light of the focusing screen 14 can be changed according to the lightness of the object. Therefore, the focusing can be easily executed without exchanging the focusing screen.

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